

CLAIMS

What Is Claimed Is:

Sub 1
1. A subperiosteal orthodontic system for use as a bone
5 anchor in conjunction with orthodontic appliances to treat
malalignment of teeth said system comprising:

a small, thin body having an elongated central member
and a base;

said base having at least one arm including at least
10 one aperture sized to receive at least one fastener for
affixing said base to the bone;

a bone fastener sized to protrude through said base
arm aperture; and

a wire guide connected to said central member for
15 receiving orthodontic wire.

2. The system of claim 1, including orthodontic wire
connecting said first orthodontic appliance to at least one
second orthodontic appliance within the mouth of the patient in
20 need of treatment.

3. The of claim 1, wherein said orthodontic appliance is
an orthodontic tension band bracket.

4. A subperiosteal orthodontic system for creating a stabilizing and moving force used in orthodontic treatment comprising:

a thin bone plate formed of a biocompatible material,
5 said plate having a base with at least one aperture extending therethrough;

a fastener to affix said base to the bone through said aperture; and

tension band bracket affixed to said bone plate.

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5. A subperiosteal system as claimed in claim 4, including a wire guide attached to said bone plate.

6. A subperiosteal system as claimed in claim 4, wherein
15 said wire guide includes a body portion of said bone plate and a wire receiving passage therethrough.

Sub 27 7. A method of subperiosteal, non-osteointegrating orthodontic anchorage for use as a fixed pushing, pulling or
20 stabilizing point in treating teeth and bite malalignments, the method comprising:

(a) providing a flat, rigid body, comprising:

a bendable base having at least one aperture adapted to receive at least one fastener for affixing said base to the bone;

at least one elongated central member planarly
5 extending from said base, the distal end of said central member having a first orthodontic appliance integrally formed thereto and adapted to receive wire for attachment to a second orthodontic appliance attached to a patient's tooth;

(b) making an incision in the oral soft tissue at the
10 desired placement location to expose the bone on which said base is to be attached;

(c) affixing said base to the bone with at least one fastener so that the base contacts the bone and the central member extends through the soft tissue of the jaw adjacent a
15 non-occlusal surface of the teeth;

(d) affixing said first orthodontic appliance to at least a second orthodontic appliance attached to at least one tooth in the patient's mouth using orthodontic wire;

(e) adjusting said wire periodically until teeth or
20 bite malalignment is corrected as determined by the orthodontist;

(f) after completion of the orthodontic treatment, disconnecting said first orthodontic appliance from said second orthodontic appliances, making an incision at the insertion

site to reveal the base, unfastening and removing said base, surgically closing the incision and allowing the incision site to heal.

5 8. The method of claim 7, wherein said first orthodontic appliance is an orthodontic wire guide.

9. The method of claim 7, wherein said first orthodontic appliance is an orthodontic tension band bracket.

10 10. The method of claim 7, further including chains, elastics, springs, or thread connected between said first orthodontic appliance and a second orthodontic appliance positioned within the patient's mouth.

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